**Sample request form**

**Biacore T200 and Biacore X100**

This sample request form has to be filled out by scientists prior testing them on Biacore T200 and Biacore X100 SPR platform at the Department of Molecular biology and nanobiotechnology, National Institute of Chemistry, Slovenia. Some information and reservation system for the equipment for molecular interaction analysis can be found at [www.molecular-interactions.si](http://www.molecular-interactions.si). Please read guidelines at [www.molecular-interactions.si/en/guidelines.html](http://www.molecular-interactions.si/en/guidelines.html) before starting the experiment. For questions and comments, you are encouraged to contact neza.omersa@ki.si, +386 1 476 05 19.

Please provide the following information by filling out the table below (add tables/rows/columns according to the number of your samples).

**Researcher**

|  |  |
| --- | --- |
| Name and e-mail: |  |
| Nationality: |  |
| Principal investigator/group name: |  |
| User-project acronym: |  |
| Project/programme number (for ARRS projects/programmes only): |  |
| Activity domain (discipline): |  |
| Date: |  |

**Employing organisation/Home institution**

|  |  |
| --- | --- |
| Name: |  |
| Legal status:Country: |  |

**Ligand #1** (molecule to be attached to the sensor chip)

|  |  |
| --- | --- |
| Ligand name: |  |
| Sample type (antibody, multi-domain protein, lipid vesicles etc.) |  |
| Molecular weight: |  |
| Isoelectric point: |  |
| Concentration: |  |
| Storage buffer: |  |
| Additional data (presence of affinity tag, sample stability etc): |  |

**Analyte #1** (molecule to interact with immobilized ligand)

|  |  |
| --- | --- |
| Analyte name: |  |
| Sample type (protein, small molecule, lipid vesicles etc.) |  |
| Molecular weight: |  |
| Extinction coefficient: |  |
| Concentration: |  |
| Storage buffer: |  |
| Purity: |  |
| Expected affinity: |  |
| Type of interaction (stoichiometry, multiple-step interaction etc.): |  |
| Interaction assays performed in advance: |  |
| Additional data (presence of affinity tags, agents that disturb the interaction, sample stability etc): |  |

Picture of the SDS-PAGE with samples:

It is very helpful when binding of the negative and the positive control (analytes) to the selected ligand can be tested in the system. Is this possible for your case (are controls available)?

Results regarding interaction characterisation obtained previously:

References relevant for the project (up to 3):

Other comments: